



Attorney Docket: 10044

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Bootland et al.	1	Art Unit:
Serial No.: 10/733,031	1	
Filed: December 11, 2003	1	Examiner:
For: IMMUNIZATION OF FISH WITH	1	
PLANT-EXPRESSED RECOMBINANT	1	
PROTEINS	1	

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to applicants in order to comply with applicant's duty of disclosure pursuant to 37 C.F.R. §1.56(b). A copy of each listed documents is being submitted to comply with the provisions of 37 C.F.R. §§1.97-1.99.

This submission is not intended to constitute an admission of any kind, and in particular is not an admission that any patent, or other document referred to herein constitutes a printed publication or is otherwise properly citable as prior art with respect to this application. No representation is made that a search has been conducted or that no more material information than that cited herein exists. Accordingly, this submission is not intended to take the place of the Examiner's own independent search of the art.

This Information Disclosure Statement is being filed pursuant to 37 C.F.R. §1.97(b) prior to the first Office Action and/or within three months of filing a national application, entry into

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CERTIFICATE OF MAILING (37 C.F.R. § 1.8(a))

I hereby certify that this document is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 16, 2004
Date

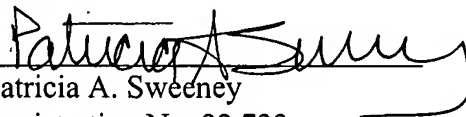
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the national stage as set forth in §1.491, or a continuation application under §1.53(d). Thus it is believed no fee is due.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form 1449 be returned in accordance with MPEP §609.

A duplicate copy of this sheet is enclosed.

Respectfully submitted,


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Form 850 1449		ATTY. DOCKET NO. 10044		Application No. 10/733,031		
INFORMATION DISCLOSURE CITATION		Applicant Bootland et al.,				
(Use several sheets if necessary)		Filing Date Dec 11, 2003		Group Art Unit		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	6 1 8 0 6 1 4	1/30/01	Davis.	514	44	July 14, 1998
	6 4 7 1 9 6 4	10/29/02	Biering, et al.	424	186.1	Oct. 29, 2002
	6 4 6 2 0 2 7	10/8/02	Poet, et al.	514	44	July 6, 1999
FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	country	CLASS	SUBCLASS	Translation Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
			Petrie, A.G. "Uptake of recombinant B-subunit of <i>escherichia coli</i> from the hindgut of rainbow trout – applicability as oral vaccine delivery system." European Association of Fish Pathologists, 11 th International Conference "Disease of Fish and Shellfish," 21-26 September 2003, Malta.			
			Bootland, Linda M. et al. "Oral immunization of Atlantic Salmon with corn-expressed recombinant marker proteins." 3 rd International Symposium on fish Vaccinology, April 9-11 2003, Bergen, Norway (abstract, slides)			
			Tucker, C. et al. "Assesment of DAN vaccine potential for juvenile Japaneses Flounder <i>Paralichthys olivaceus</i> , through the introduction of reporter genes by particle bombardment and histopathology." Vaccine 2000 Nov 22; 19(7-8):801-9			
			Corbeil, S. et al., "Fish DNA vaccine against infectious hematopoietic necrosis virus: efficacy of various routs of immunization" 2000, Fish Shellfish Immunol, Nov. 10(8):711-23			
			Corbeil, S. et al. "Evaluation of the protective immunogenicity of the N,P,M,NV and G proteins of infectious hematopoietic necrosis virus in rainbow trout <i>oncorhynchus mykiss</i> using DNA vaccines." 1999 Dec. Dis Aquat Organ, 39(1):29-36			
			Nusbaum, KE et al., "Protective immunity induced by DNA vaccination of channel catfish with early and late transcripts of the channel catfish herpesvirus (IHV-1) 2002 Jan 15. Vet Immunol Immunopathol. 84(3-4):151-68.			
EXAMINER			DATE CONSIDERED			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.						

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U.S. PATENT DOCUMENTS									
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FOREIGN PATENT DOCUMENTS									
*EXAMINER INITIAL			DOCUMENT NUMBER	DATE	country	CLASS	SUBCLASS	Translation	
								Yes	No

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
			Clark, TG. Et al., "Developmental expression of surface antigen genes in the parasitic ciliate Ichthyophthirius multifiliis." 1992, Jul. 15. Proc Natl Acad Sci USA. 89(14):6363-7
			Sato, H. et al. "Expression of YAV proteins and vaccination against viral ascites among cultured juvenile yellowtail" Biosci. Biotechnol. Biochem 2000 Jul; 64(7): 1494-9

EXAMINER	DATE CONSIDERED
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